

REPORT

Boston Alternative Energy Facility – Environmental Statement

Appendix 19.5 Junction Modelling Matrices

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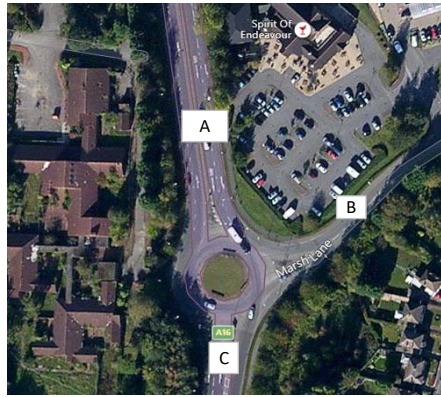
Classification

Project Related

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Junction 1a - A16 / Marsh Lane Junction - Peak WCS



Notes

Link	Arm	Road Name
4	A	A16 north
2	B	Marsh Lane
3	C	A16 south

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

Surveyed Flows (2018)

AM Peak Traffic

Thursday 6th June 2018: 07:35AM - 08:35AM

Vehicles

From/To	A	B	C	Totals
A	1	372	581	954
B	268	0	50	318
C	792	121	0	913
Totals	1061	493	631	2185

HGVs

From/To	A	B	C	Totals
A	0	11	46	57
B	25	0	18	43
C	55	22	0	77
Totals	80	33	64	177

Total

From/To	A	B	C	Totals
A	1	383	627	1011
B	293	0	68	361
C	847	143	0	990
Totals	1141	526	695	2362

%HGV

From/To	A	B	C	Average
A	0.0%	2.9%	7.3%	3%
B	8.5%	0.0%	26.5%	12%
C	6.5%	15.4%	0.0%	7%
Average	5%	6%	11%	7%

PM Peak Traffic

Thursday 6th June 2018: 4:25PM - 5:25PM

Vehicles

From/To	A	B	C	Totals
A	0	226	669	895
B	397	1	86	484
C	719	50	0	769
Totals	1116	277	755	2148

HGVs

From/To	A	B	C	Totals
A	0	14	17	31
B	6	0	7	13
C	45	16	0	61
Totals	51	30	24	105

Total

From/To	A	B	C	Totals
A	0	240	686	926
B	403	1	93	497
C	764	66	0	830
Totals	1167	307	779	2253

%HGV

From/To	A	B	C	Average
A	0.0%	5.8%	2.5%	3%
B	1.5%	0.0%	7.5%	3%
C	5.9%	24.2%	0.0%	10%
Average	2%	10%	3%	5%

Forecast Flows (2021)

Growth Factored Vehicles

From/To	A	B	C	Totals
A	1	387	605	993
B	279	0	52	331
C	824	126	0	950
Totals	1104	513	657	2274

Growth Factored HGVs

From/To	A	B	C	Totals
A	0	11	48	59
B	26	0	19	45
C	57	23	0	80
Totals	83	34	67	184

Growth Factored Total

From/To	A	B	C	Totals
A	1	399	653	1052
B	305	0	71	376
C	882	149	0	1030
Totals	1188	548	723	2459

%HGV

From/To	A	B	C	Average
A	0.0%	2.9%	7.3%	3%
B	8.5%	0.0%	26.5%	12%
C	6.5%	15.4%	0.0%	7%
Average	5%	6%	11%	7%

Growth Factored Vehicles

From/To	A	B	C	Totals
A	0	235	695	929
B	412	1	89	503
C	747	52	0	799
Totals	1159	288	784	2231

Growth Factored HGVs

From/To	A	B	C	Totals
A	0	15	18	32
B	6	0	7	14
C	47	17	0	63
Totals	53	31	25	109

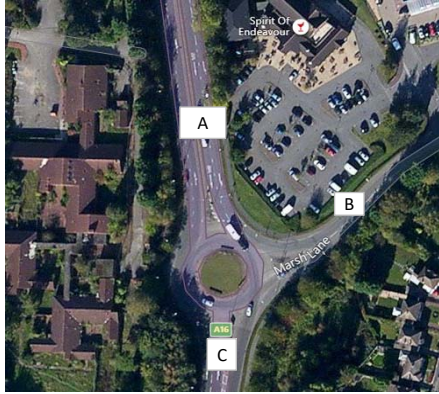
Growth Factored Total

From/To	A	B	C	Totals
A	0	249	712	962
B	419	1	97	516
C	793	69	0	862
Totals	1212	319	809	2340

%HGV

From/To	A	B	C	Average
A	0.0%	5.8%	2.5%	3%
B	1.5%	0.0%	7.5%	3%
C	5.9%	24.2%	0.0%	10%
Average	2%	10%	3%	5%

Junction 1a - A16 / Marsh Lane Junction - Peak WCS



Notes

Link	Arm	Road Name
4	A	A16 north
2	B	Marsh Lane
3	C	A16 south

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

BAEF Peak Construction Traffic (2021) - 100% HGVs originate from Link 7

AM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	0	159	0	159
B	0	0	0	0
C	0	28	0	28
Totals	0	188	0	188

HGVs

From/To	A	B	C	Totals
A	0	12	0	12
B	12	0	0	12
C	0	0	0	0
Totals	12	12	0	24

Total

From/To	A	B	C	Totals
A	0	172	0	172
B	12	0	0	12
C	0	28	0	28
Totals	12	200	0	212

%HGV

From/To	A	B	C	Average
A	0.0%	7.1%	0.0%	2%
B	100.0%	0.0%	0.0%	33%
C	0.0%	0.0%	0.0%	0%
Average	33%	2%	0%	12%

PM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	0	0	0	0
B	159	0	28	188
C	0	0	0	0
Totals	159	0	28	188

HGVs

From/To	A	B	C	Totals
A	0	12	0	12
B	12	0	0	12
C	0	0	0	0
Totals	12	12	0	24

Total

From/To	A	B	C	Totals
A	0	12	0	12
B	172	0	28	200
C	0	0	0	0
Totals	172	12	28	212

%HGV

From/To	A	B	C	Average
A	0.0%	100.0%	0.0%	33%
B	7.1%	0.0%	0.0%	2%
C	0.0%	0.0%	0.0%	0%
Average	2%	33%	0%	12%

Forecast Flows + BAEF Peak Construction Traffic (2021) - 100% HGVs originate from Link 7

AM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	1	547	605	1152
B	279	0	52	331
C	824	154	0	978
Totals	1104	701	657	2462

HGVs

From/To	A	B	C	Totals
A	0	24	48	72
B	38	0	19	57
C	57	23	0	80
Totals	95	47	67	209

Total

From/To	A	B	C	Totals
A	1	570	653	1224
B	317	0	71	388
C	882	177	0	1059
Totals	1200	747	723	2671

%HGV

From/To	A	B	C	Average
A	0.0%	4.1%	7.3%	4%
B	12.1%	0.0%	26.5%	13%
C	6.5%	12.9%	0.0%	6%
Average	6%	6%	11%	8%

PM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	0	235	695	929
B	572	1	117	690
C	747	52	0	799
Totals	1318	288	812	2418

HGVs

From/To	A	B	C	Totals
A	0	27	18	44
B	18	0	7	26
C	47	17	0	63
Totals	65	43	25	133

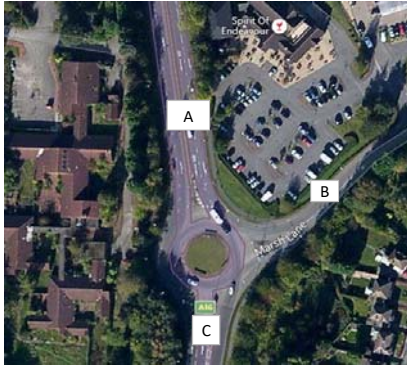
Total

From/To	A	B	C	Totals
A	0	261	712	974
B	590	1	125	716
C	793	69	0	862
Totals	1384	331	837	2552

%HGV

From/To	A	B	C	Average
A	0.0%	10.2%	2.5%	4%
B	3.1%	0.0%	5.8%	3%
C	5.9%	24.2%	0.0%	10%
Average	3%	11%	3%	6%

Junction 1b - A16 / Marsh Lane Junction - Peak WCS



Notes

Link	Arm	Road Name
4	A	A16 north
2	B	Marsh Lane
3	C	A16 south

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

Surveyed Flows (2018)

AM Peak Traffic

Thursday 6th June 2018: 07:35AM - 08:35AM

Vehicles

From/To	A	B	C	Totals
A	1	372	581	954
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C	792	121	0	913
Totals	1061	493	631	2185

HGVs

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A	0	11	46	57
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Totals	80	33	64	177

Total

From/To	A	B	C	Totals
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%HGV

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C	6.5%	15.4%	0.0%	7%
Average	5%	6%	11%	7%

PM Peak Traffic

Thursday 6th June 2018: 4:25PM - 5:25PM

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B	1.5%	0.0%	7.5%	3%
C	5.9%	24.2%	0.0%	10%
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Forecast Flows (2021)

Growth Factored Vehicles

From/To	A	B	C	Totals
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C	824	126	0	950
Totals	1104	513	657	2274

Growth Factored HGVs

From/To	A	B	C	Totals
A	0	11	48	59
B	26	0	19	45
C	57	23	0	80
Totals	83	34	67	184

Growth Factored Total

From/To	A	B	C	Totals
A	1	399	653	1052
B	305	0	71	376
C	882	149	0	1030
Totals	1188	548	723	2459

%HGV

From/To	A	B	C	Average
A	0.0%	2.9%	7.3%	3%
B	8.5%	0.0%	26.5%	12%
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Average	5%	6%	11%	7%

Growth Factored Vehicles

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Growth Factored HGVs

From/To	A	B	C	Totals
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B	6	0	7	14
C	47	17	0	63
Totals	53	31	25	109

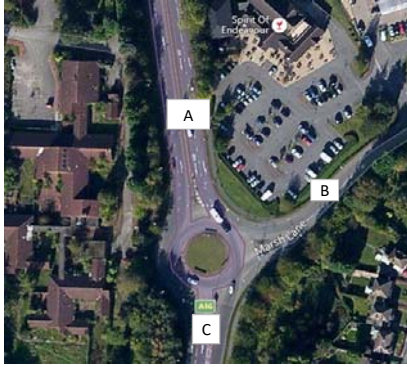
Growth Factored Total

From/To	A	B	C	Totals
A	0	249	712	962
B	419	1	97	516
C	793	69	0	862
Totals	1212	319	809	2340

%HGV

From/To	A	B	C	Average
A	0.0%	5.8%	2.5%	3%
B	1.5%	0.0%	7.5%	3%
C	5.9%	24.2%	0.0%	10%
Average	2%	10%	3%	5%

Junction 1b - A16 / Marsh Lane Junction - Peak WCS



Notes

Link	Arm	Road Name
4	A	A16 north
2	B	Marsh Lane
3	C	A16 south

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

BAEF Peak Construction Traffic (2021) - 100% HGVs originate from Link 3

AM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	0	159	0	159
B	0	0	0	0
C	0	28	0	28
Totals	0	188	0	188

HGVs

From/To	A	B	C	Totals
A	0	0	0	0
B	0	0	12	12
C	0	12	0	12
Totals	0	12	12	24

Total

From/To	A	B	C	Totals
A	0	159	0	159
B	0	0	12	12
C	0	40	0	40
Totals	0	200	12	212

%HGV

From/To	A	B	C	Average
A	0.0%	0.0%	0.0%	0%
B	0.0%	0.0%	100.0%	33%
C	0.0%	30.3%	0.0%	10%
Average	0%	10%	33%	14%

PM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	0	0	0	0
B	159	0	28	188
C	0	0	0	0
Totals	159	0	28	188

HGVs

From/To	A	B	C	Totals
A	0	0	0	0
B	0	0	12	12
C	0	12	0	12
Totals	0	12	12	24

Total

From/To	A	B	C	Totals
A	0	0	0	0
B	159	0	40	200
C	0	12	0	12
Totals	159	12	40	212

%HGV

From/To	A	B	C	Average
A	0.0%	0.0%	0.0%	0%
B	0.0%	0.0%	30.3%	10%
C	0.0%	100.0%	0.0%	33%
Average	0%	33%	10%	14%

Forecast Flows + BAEF Peak Construction Traffic (2021) - 100% HGVs originate from Link 3

Vehicles

From/To	A	B	C	Totals
A	1	547	605	1152
B	279	0	52	331
C	824	154	0	978
Totals	1104	701	657	2462

HGVs

From/To	A	B	C	Totals
A	0	11	48	59
B	26	0	31	57
C	57	35	0	92
Totals	83	47	79	209

Total

From/To	A	B	C	Totals
A	1	558	653	1212
B	305	0	83	388
C	882	189	0	1071
Totals	1188	747	736	2671

%HGV

From/To	A	B	C	Average
A	0.0%	2.1%	7.3%	3%
B	8.5%	0.0%	37.3%	15%
C	6.5%	18.6%	0.0%	8%
Average	5%	7%	15%	9%

Vehicles

From/To	A	B	C	Totals
A	0	235	695	929
B	572	1	117	690
C	747	52	0	799
Totals	1318	288	812	2418

HGVs

From/To	A	B	C	Totals
A	0	15	18	32
B	6	0	19	26
C	47	29	0	76
Totals	53	43	37	133

Total

From/To	A	B	C	Totals
A	0	249	712	962
B	578	1	137	716
C	793	81	0	874
Totals	1371	331	849	2552

%HGV

From/To	A	B	C	Average
A	0.0%	5.8%	2.5%	3%
B	1.1%	0.0%	21.0%	7%
C	5.6%	38.6%	0.0%	15%
Average	2%	15%	8%	8%

Junction 2 - Marsh Lane / Wyberton Low Road Junction - Peak WCS



Notes

Link	Arm	Road Name
-	A	Wyberton Low Road (north)
1	B	Marsh Lane (east)
-	C	Wyberton Low Road (south)
2	D	Marsh Lane (west)

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

Surveyed Flows (2018)

AM Peak Traffic

Thursday 6th June 2018: 07:40AM - 08:40AM

Vehicles

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	117	119
C	0	16	0	203	219
D	3	406	81	0	490
Totals	3	423	83	323	832

HGVs

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	41	41
C	0	0	0	0	0
D	0	32	1	0	33
Totals	0	32	1	41	74

Total

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	158	160
C	0	16	0	203	219
D	3	438	82	0	523
Totals	3	455	84	364	906

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	25.9%	
C	0.0%	0.0%	0.0%	0.0%	
D	0.0%	7.3%	1.2%	0.0%	

PCUs

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	199	201
C	0	16	0	203	219
D	3	470	83	0	556
Totals	3	487	85	405	980

PM Peak Traffic

Thursday 6th June 2018: 4:00PM - 5:00PM

Vehicles

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	345	351
C	1	3	0	107	111
D	3	192	107	0	302
Totals	5	195	114	457	771

HGVs

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	11	11
C	0	0	0	1	1
D	1	39	0	0	40
Totals	1	39	0	12	52

Total

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	356	362
C	1	3	0	108	112
D	4	231	107	0	342
Totals	6	234	114	469	823

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	3.1%	
C	0.0%	0.0%	0.0%	0.9%	
D	25.0%	16.9%	0.0%	0.0%	

PCUs

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	367	373
C	1	3	0	109	113
D	5	270	107	0	382
Totals	7	273	114	481	875

Forecast Flows (2021)

Growth Factored Vehicles

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	122	124
C	0	17	0	211	228
D	3	423	84	0	510
Totals	3	440	86	336	866

Growth Factored HGVs

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	43	43
C	0	0	0	0	0
D	0	33	1	0	34
Totals	0	33	1	43	77

Growth Factored Total

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	164	167
C	0	17	0	211	228
D	3	456	85	0	544
Totals	3	474	87	379	943

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	25.9%	
C	0.0%	0.0%	0.0%	0.0%	
D	0.0%	7.3%	1.2%	0.0%	

PCUs

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	207	209
C	0	17	0	211	228
D	3	489	86	0	579
Totals	3	507	88	422	1020

Growth Factored Vehicles

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	358	365
C	1	3	0	111	115
D	3	199	111	0	314
Totals	5	203	118	475	801

Growth Factored HGVs

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	11	11
C	0	0	0	1	1
D	1	41	0	0	42
Totals	1	41	0	12	54

Growth Factored Total

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	370	377
C	1	3	0	112	116
D	4	240	111	0	355
Totals	6	243	118	487	855

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	3.1%	
C	0.0%	0.0%	0.0%	0.9%	
D	25.0%	16.9%	0.0%	0.0%	

PCUs

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	381	387
C	1	3	0	113	117
D	5	280	111	0	397
Totals	7	284	118	500	909

Junction 2 - Marsh Lane / Wyberton Low Road Junction - Peak WCS



Notes

Link	Arm	Road Name
-	A	Wyberton Low Road (north)
1	B	Marsh Lane (east)
-	C	Wyberton Low Road (south)
2	D	Marsh Lane (west)

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

BAEF Peak Construction Traffic (2021)

AM Peak Traffic

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	0	0
C	0	0	0	0	0
D	0	188	0	0	188
Totals	0	188	0	0	188

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	12	12
C	0	0	0	0	0
D	0	12	0	0	12
Totals	0	12	0	12	24

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	12	12
C	0	0	0	0	0
D	0	200	0	0	200
Totals	0	200	0	12	212

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	100.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	0.0%	6.1%	0.0%	0.0%	

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	24	24
C	0	0	0	0	0
D	0	212	0	0	212
Totals	0	212	0	24	236

PM Peak Traffic

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	188	188
C	0	0	0	0	0
D	0	0	0	0	0
Totals	0	0	0	188	188

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	12	12
C	0	0	0	0	0
D	0	12	0	0	12
Totals	0	12	0	12	24

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	200	200
C	0	0	0	0	0
D	0	12	0	0	12
Totals	0	12	0	200	212

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	6.1%	
C	0.0%	0.0%	0.0%	0.0%	
D	0.0%	100.0%	0.0%	0.0%	

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	212	212
C	0	0	0	0	0
D	0	24	0	0	24
Totals	0	24	0	212	236

Forecast Flows + BAEF Peak Construction Traffic (2021)

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	122	124
C	0	17	0	211	228
D	3	610	84	0	698
Totals	3	628	86	336	1054

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	55	55
C	0	0	0	0	0
D	0	46	1	0	47
Totals	0	46	1	55	101

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	177	179
C	0	17	0	211	228
D	3	656	85	0	744
Totals	3	673	87	391	1155

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	31.1%	
C	0.0%	0.0%	0.0%	0.0%	
D	0.0%	6.9%	1.2%	0.0%	

From/To	A	B	C	D	Totals
A	0	1	0	3	4
B	0	0	2	232	234
C	0	17	0	211	228
D	3	701	86	0	791
Totals	3	719	88	446	1256

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	546	552
C	1	3	0	111	115
D	3	199	111	0	314
Totals	5	203	118	662	988

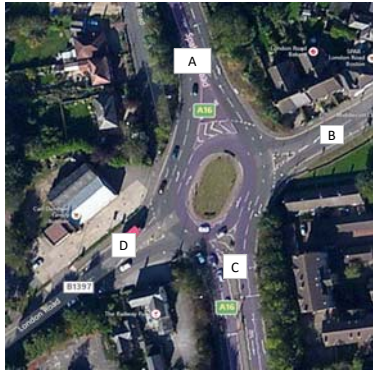
From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	24	24
C	0	0	0	1	1
D	1	53	0	0	54
Totals	1	53	0	25	78

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	569	576
C	1	3	0	112	116
D	4	252	111	0	367
Totals	6	255	118	687	1067

From/To	A	B	C	D	Totals
A	0.0%	0.0%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	4.1%	
C	0.0%	0.0%	0.0%	0.9%	
D	25.0%	20.9%	0.0%	0.0%	

From/To	A	B	C	D	Totals
A	0	0	2	5	7
B	1	0	5	593	599
C	1	3	0	113	117
D	5	305	111	0	421
Totals	7	308	118	711	1145

Junction 3 - A16 / B1397 - Peak WCS



AM Peak Traffic

Thursday 6th June 2018: 07:35AM - 08:35AM

Vehicles

From/To	A	B	C	D	Totals
A	27	38	629	207	901
B	16	3	232	92	343
C	812	206	0	48	1066
D	391	144	94	0	629
Totals	1246	391	955	347	2939

HGVs

From/To	A	B	C	D	Totals
A	0	1	50	9	60
B	2	0	3	1	6
C	69	5	0	5	79
D	23	2	3	0	28
Totals	94	8	56	15	173

Total

From/To	A	B	C	D	Totals
A	27	39	679	216	961
B	18	3	235	93	349
C	881	211	0	53	1145
D	414	146	97	0	657
Totals	1340	399	1011	362	3112

%HGV

From/To	A	B	C	D	Totals
A	0.0%	2.6%	7.4%	4.2%	
B	11.1%	0.0%	1.3%	1.1%	
C	7.8%	2.4%	0.0%	9.4%	
D	5.6%	1.4%	3.1%	0.0%	
Totals					

Notes

Link	Arm	Road Name
5	A	A16 (north)
-	B	B1397 (east)
4	C	A16 (south)
8	D	B1397 (west)

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

Surveyed Flows (2018)

PM Peak Traffic

Thursday 6th June 2018: 16:25PM - 17:25PM

Vehicles

From/To	A	B	C	D	Totals
A	16	20	600	352	988
B	21	0	222	147	390
C	819	184	0	105	1108
D	337	129	71	2	539
Totals	1193	333	893	606	3025

HGVs

From/To	A	B	C	D	Totals
A	0	0	23	11	34
B	0	0	1	3	4
C	49	0	0	0	49
D	7	0	6	0	13
Totals	56	0	30	14	100

Total

From/To	A	B	C	D	Totals
A	16	20	623	363	1022
B	21	0	223	150	394
C	868	184	0	105	1157
D	344	129	77	2	552
Totals	1249	333	923	620	3125

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	3.7%	3.0%	
B	0.0%	0.0%	0.4%	2.0%	
C	5.6%	0.0%	0.0%	0.0%	
D	2.0%	0.0%	7.8%	0.0%	
Totals					

Forecast Flows (2021)

Growth Factored Vehicles

From/To	A	B	C	D	Totals
A	28	40	655	215	938
B	17	3	241	96	357
C	845	214	0	50	1110
D	407	150	98	0	655
Totals	1297	407	994	361	3059

Growth Factored HGVs

From/To	A	B	C	D	Totals
A	0	1	52	9	62
B	2	0	3	1	6
C	72	5	0	5	82
D	24	2	3	0	29
Totals	98	8	58	16	180

Growth Factored Total

From/To	A	B	C	D	Totals
A	28	41	707	225	1000
B	19	3	245	97	363
C	917	220	0	55	1192
D	431	152	101	0	684
Totals	1395	415	1052	377	3239

%HGV

From/To	A	B	C	D	Totals
A	0.0%	2.6%	7.4%	4.2%	
B	11.1%	0.0%	1.3%	1.1%	
C	7.8%	2.4%	0.0%	9.4%	
D	5.6%	1.4%	3.1%	0.0%	
Totals					

Growth Factored Vehicles

From/To	A	B	C	D	Totals
A	17	21	623	366	1026
B	22	0	231	153	405
C	851	191	0	109	1151
D	350	134	74	2	560
Totals	1239	346	927	629	3141

Growth Factored HGVs

From/To	A	B	C	D	Totals
A	0	0	24	11	35
B	0	0	1	3	4
C	51	0	0	0	51
D	7	0	6	0	14
Totals	58	0	31	15	104

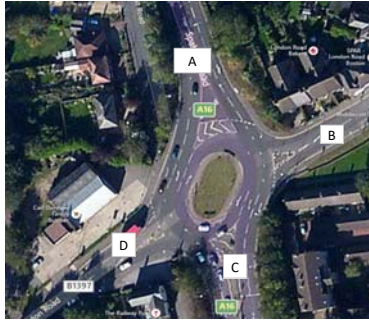
Growth Factored Total

From/To	A	B	C	D	Totals
A	17	21	647	377	1061
B	22	0	232	156	409
C	901	191	0	109	1202
D	357	134	80	2	573
Totals	1297	346	959	644	3245

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	3.7%	3.0%	
B	0.0%	0.0%	0.4%	2.0%	
C	5.6%	0.0%	0.0%	0.0%	
D	2.0%	0.0%	7.8%	0.0%	
Totals					

Junction 3 - A16 / B1397 - Peak WCS



Notes

Link	Arm	Road Name
5	A	A16 (north)
-	B	B1397 (east)
4	C	A16 (south)
8	D	B1397 (west)

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

BAEF Peak Construction Traffic (2021)

AM Peak Traffic

Vehicles

From/To	A	B	C	D	Totals
A	0	0	131	0	131
B	0	0	0	0	0
C	0	0	0	0	0
D	0	0	28	0	28
Totals	0	0	159	0	159

HGVs

From/To	A	B	C	D	Totals
A	0	0	12	0	12
B	0	0	0	0	0
C	12	0	0	0	12
D	0	0	0	0	0
Totals	12	0	12	0	24

Total

From/To	A	B	C	D	Totals
A	0	0	143	0	143
B	0	0	0	0	0
C	12	0	0	0	12
D	0	0	28	0	28
Totals	12	0	172	0	184

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	8.5%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	100.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Totals					

PM Peak Traffic

Vehicles

From/To	A	B	C	D	Totals
A	0	0	0	0	0
B	0	0	0	0	0
C	131	0	0	28	159
D	0	0	0	0	0
Totals	131	0	0	28	159

HGVs

From/To	A	B	C	D	Totals
A	0	0	12	0	12
B	0	0	0	0	0
C	12	0	0	0	12
D	0	0	0	0	0
Totals	12	0	12	0	24

Total

From/To	A	B	C	D	Totals
A	0	0	12	0	12
B	0	0	0	0	0
C	143	0	0	28	172
D	0	0	0	0	0
Totals	143	0	12	28	184

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	100.0%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	8.5%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Totals					

Forecast Flows + BAEF Peak Construction Traffic (2021)

Vehicles

From/To	A	B	C	D	Totals
A	28	40	786	215	1069
B	17	3	241	96	357
C	845	214	0	50	1110
D	407	150	126	0	683
Totals	1297	407	1153	361	3219

HGVs

From/To	A	B	C	D	Totals
A	0	1	64	9	75
B	2	0	3	1	6
C	84	5	0	5	94
D	24	2	3	0	29
Totals	110	8	70	16	204

Total

From/To	A	B	C	D	Totals
A	28	41	850	225	1144
B	19	3	245	97	363
C	929	220	0	55	1204
D	431	152	129	0	712
Totals	1407	415	1224	377	3423

%HGV

From/To	A	B	C	D	Totals
A	0.0%	2.6%	7.6%	4.2%	
B	11.1%	0.0%	1.3%	1.1%	
C	9.0%	2.4%	0.0%	9.4%	
D	5.6%	1.4%	2.4%	0.0%	
Totals					

Vehicles

From/To	A	B	C	D	Totals
A	17	21	623	366	1026
B	22	0	231	153	405
C	982	191	0	137	1310
D	350	134	74	2	560
Totals	1370	346	927	657	3301

HGVs

From/To	A	B	C	D	Totals
A	0	0	36	11	48
B	0	0	1	3	4
C	63	0	0	0	63
D	7	0	6	0	14
Totals	70	0	43	15	128

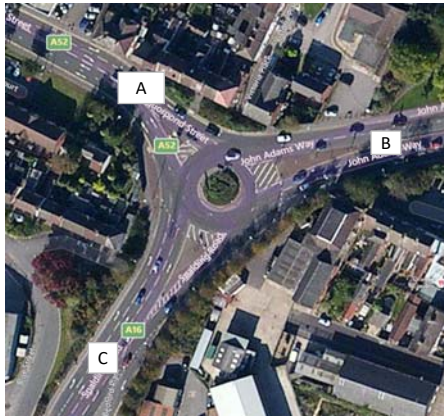
Total

From/To	A	B	C	D	Totals
A	17	21	659	377	1074
B	22	0	232	156	409
C	1045	191	0	137	1373
D	357	134	80	2	573
Totals	1441	346	971	672	3429

%HGV

From/To	A	B	C	D	Totals
A	0.0%	0.0%	5.5%	3.0%	
B	0.0%	0.0%	0.4%	2.0%	
C	6.0%	0.0%	0.0%	0.0%	
D	2.0%	0.0%	7.8%	0.0%	
Totals					

Junction 4 - A16 / A52 junction - Peak WCS



Notes

Link	Arm	Road Name
6	A	A52 - Liquorpond Street
7	B	A16 - John Adams Way
5	C	A16 - Spalding Road

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

Surveyed Flows (2018)

AM Peak Traffic
Thursday 6th June 2018: 07:50AM - 08:50AM

Vehicles

From/To	A	B	C	Totals
A	0	526	325	851
B	985	0	660	1645
C	249	748	0	997
Totals	1234	1274	985	3493

HGVs

From/To	A	B	C	Totals
A	0	30	8	38
B	36	0	62	98
C	21	63	0	84
Totals	57	93	70	220

Total

From/To	A	B	C	Totals
A	0	556	333	889
B	1021	0	722	1743
C	270	811	0	1081
Totals	1291	1367	1055	3713

%HGV

From/To	A	B	C	Average
A	0.0%	5.4%	2.4%	3%
B	3.5%	0.0%	8.6%	4%
C	7.8%	7.8%	0.0%	5%
Average	4%	4%	4%	4%

PM Peak Traffic
Thursday 6th June 2018: 4:40PM - 5:40PM

Vehicles

From/To	A	B	C	Totals
A	0	526	345	871
B	1165	0	678	1843
C	264	827	0	1091
Totals	1429	1353	1023	3805

HGVs

From/To	A	B	C	Totals
A	0	25	9	34
B	24	0	25	49
C	8	44	0	52
Totals	32	69	34	135

Total

From/To	A	B	C	Totals
A	0	551	354	905
B	1189	0	703	1892
C	272	871	0	1143
Totals	1461	1422	1057	3940

%HGV

From/To	A	B	C	Average
A	0.0%	4.5%	2.5%	2%
B	2.0%	0.0%	3.6%	2%
C	2.9%	5.1%	0.0%	3%
Average	2%	3%	2%	2%

Forecast Flows (2021)

Growth Factored Vehicles

From/To	A	B	C	Totals
A	0	548	338	886
B	1025	0	687	1712
C	259	779	0	1038
Totals	1284	1326	1025	3636

Growth Factored HGVs

From/To	A	B	C	Totals
A	0	31	8	40
B	37	0	65	102
C	22	66	0	87
Totals	59	97	73	229

Growth Factored Total

From/To	A	B	C	Totals
A	0	579	347	925
B	1063	0	752	1814
C	281	844	0	1125
Totals	1344	1423	1098	3865

%HGV

From/To	A	B	C	Average
A	0.0%	5.4%	2.4%	3%
B	3.5%	0.0%	8.6%	4%
C	7.8%	7.8%	0.0%	5%
Average	4%	4%	4%	4%

Growth Factored Vehicles

From/To	A	B	C	Totals
A	0	546	358	905
B	1210	0	704	1914
C	274	859	0	1133
Totals	1484	1405	1062	3951

Growth Factored HGVs

From/To	A	B	C	Totals
A	0	26	9	35
B	25	0	26	51
C	8	46	0	54
Totals	33	72	35	140

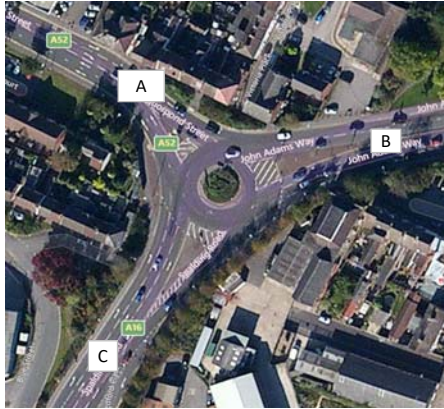
Growth Factored Total

From/To	A	B	C	Totals
A	0	572	368	940
B	1235	0	730	1965
C	282	905	0	1187
Totals	1517	1477	1098	4092

%HGV

From/To	A	B	C	Average
A	0.0%	4.5%	2.5%	2%
B	2.0%	0.0%	3.6%	2%
C	2.9%	5.1%	0.0%	3%
Average	2%	3%	2%	2%

Junction 4 - A16 / A52 junction - Peak WCS



Notes

Link	Arm	Road Name
6	A	A52 - Liquorpond Street
7	B	A16 - John Adams Way
5	C	A16 - Spalding Road

Growth Factor	AM Peak	PM Peak
All Vehicles	1.0409	1.0385

BAEF Peak Construction Traffic (2021)

AM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	0	0	66	66
B	0	0	66	66
C	0	0	0	0
Totals	0	0	131	131

HGVs

From/To	A	B	C	Totals
A	0	0	0	0
B	0	0	12	12
C	0	12	0	12
Totals	0	12	12	24

Total

From/To	A	B	C	Totals
A	0	0	66	66
B	0	0	78	78
C	0	12	0	12
Totals	0	12	143	156

%HGV

From/To	A	B	C	Average
A	0.0%	0.0%	0.0%	0%
B	0.0%	0.0%	15.7%	5%
C	0.0%	100.0%	0.0%	33%
Average	0%	33%	5%	13%

PM Peak Traffic

Vehicles

From/To	A	B	C	Totals
A	0	0	0	0
B	0	0	0	0
C	66	66	0	131
Totals	66	66	0	131

HGVs

From/To	A	B	C	Totals
A	0	0	0	0
B	0	0	12	12
C	0	12	0	12
Totals	0	12	12	24

Total

From/To	A	B	C	Totals
A	0	0	0	0
B	0	0	12	12
C	66	78	0	143
Totals	66	78	12	156

%HGV

From/To	A	B	C	Average
A	0.0%	0.0%	0.0%	0%
B	0.0%	0.0%	100.0%	33%
C	0.0%	15.7%	0.0%	5%
Average	0%	5%	33%	13%

Forecast Flows + BAEF Peak Construction Traffic (2021)

Vehicles

From/To	A	B	C	Totals
A	0	548	404	951
B	1025	0	753	1778
C	259	779	0	1038
Totals	1284	1326	1157	3767

HGVs

From/To	A	B	C	Totals
A	0	31	8	40
B	37	0	77	114
C	22	78	0	100
Totals	59	109	85	253

Total

From/To	A	B	C	Totals
A	0	579	412	991
B	1063	0	829	1892
C	281	856	0	1137
Totals	1344	1435	1242	4021

%HGV

From/To	A	B	C	Average
A	0.0%	5.4%	2.0%	2%
B	3.5%	0.0%	9.3%	4%
C	7.8%	9.1%	0.0%	6%
Average	4%	5%	4%	4%

Vehicles

From/To	A	B	C	Totals
A	0	546	358	905
B	1210	0	704	1914
C	340	924	0	1264
Totals	1550	1471	1062	4083

HGVs

From/To	A	B	C	Totals
A	0	26	9	35
B	25	0	38	63
C	8	58	0	66
Totals	33	84	48	165

Total

From/To	A	B	C	Totals
A	0	572	368	940
B	1235	0	742	1977
C	348	982	0	1330
Totals	1583	1555	1110	4247

%HGV

From/To	A	B	C	Average
A	0.0%	4.5%	2.5%	2%
B	2.0%	0.0%	5.1%	2%
C	2.4%	5.9%	0.0%	3%
Average	1%	3%	3%	3%